

GCCS Version 2.2.1 Upgrade Description

The GCCS 2.2.1 Version was primarily designed to upgrade Data Base synchronization capabilities and selected applications. Specific requirements from the field guided efforts to provide essential upgrades critical to current operational requirements, in conjunction with a Beta Test conducted at SOUTHCOM, SOCOM, NMCC and ACOM.

The documentation package contains page changes to the Implementation Procedures Document and specific Release Bulletins for each segment which should be integrated with Appendix A of the currently fielded Implementation Procedures (GCCS-GIP Version 2.2).

The page change package concentrates on IP table updates to assure a comprehensive segment summary for various configurations. The enclosed GCCS Segment Release Bulletin contains all software segments included in the Version 2.2.1 Release and identifies the purpose and function of the segment, the requirements of the segment and the dialog that is output during installation.

Complete documentation may be found on the GCCS SIPRNET Web Site. The segment sizes are listed in the following order: Tape Segment size, SAInstaller Reserved Size and actual Installed Size all in kbs. System Backup, if installed, will alter the reserved size to reflect the actual size through a Cron job. Only sites currently executing the following Segments should load them AIRFDB.P1, GRIS, GUPD, GORA, GSORTS.P1. Only AIRFDB.P1 and GRIS will be FTP'd to appropriate sites. It should be noted that in this release UB3.0.1.6GP3 is equivalent to UB 3.0.1.6.02GP3. Users should not access applications during installation of that particular application. Recommend loading of KERNEL Patch 3 on all systems first. ORACLE RDBMS Patch 3 should be loaded before any other Application/Server database segments or patches.

Data Base Synchronization Segments must be loaded at all appropriate sites (i.e. server segments at the JOPES DB sites first and application and/or client segments at the User Sites next) ASAP. Please inform the GMC of your status prior to and after completion of your loads. A machine must be at GCCS 2.2 level before installing any server segments. All 2.2.1 JOPES Application Segments may be installed using the GCCS 2.1 SAInstaller on a GCCS 2.1 COE machine.

The following summary is provided to assist in proper segment installation orientation, but may vary with individual site configuration requirements. The Release Bulletins should be regarded as the primary reference for this upgrade.

VERSION 2.2.1 DATA BASE SYNC SEGMENTS.

DATABASE SYNCHRONIZATION SEGMENTS - THESE SEGMENTS MUST BE LOADED AT ALL THE APPROPRIATE SITES (I.E. SERVER SEGMENTS AT THE JOPES DB SITES FIRST AND APPLICATION AND/OR CLIENT SEGMENTS AT THE USER SITES NEXT). PLEASE INFORM THE GMC OF YOUR STATUS PRIOR AND AFTER COMPLETION OF YOUR LOADS. A MACHINE MUST BE AT GCCS 2.2 LEVEL BEFORE INSTALLING ANY SERVER SEGMENTS. APPLICATION SEGMENTS CAN BE LOADED ON A GCCS 2.1 LEVEL MACHINE.

RDA(1.8.2.01:03/06/97)

SOLARIS (65595, 66410,65592) AND HP (64120, 66410, 65937)

TARGET WORKSTATION: CLIENT/APPLICATION SERVER

FIXES: THIS SEGMENT CONTAINS 5 DIFFERENT FIXES. IT ALSO ASSISTS IN FIXING SOME DATABASE SYNC PROBLEMS. SEE NEWSGROUP FOR MORE DETAILS.

SPECIAL INSTRUCTIONS: DEINSTALL ALL PREVIOUS VERSIONS OF THIS SEGMENT.

KNOWN PROBLEMS: THE UIC FIELD IS NOT TREATED AS A FREE FORM TEXT FIELD. IF # IS PLACED IN THE FIRST POSITION, A WARNING WILL APPEAR STATING THE UIC IS NOT VALID. IF THE USER ELECTS TO KEEP THE ENTRY, THE FIELD WILL NOT BE DELETED ON THE ULN DETAILS SCREEN, BUT A TRANSACTION WILL BE CUT WITH THE # IN THE FIRST POSITION AND THE FIELD WILL BE UPDATED TO NULL AT ALL OTHER DATABASES.

RDASRV.P14(1.8.2.02:03/21/97)

SOLARIS ONLY (3131, 50, 51)

TARGET WORKSTATION: JOPES DATABASE SERVER

FIXES: THIS SEGMENT CONTAINS FOUR DIFFERENT FIXES. IT ALSO ASSISTS IN FIXING SOME DATABASE SYNC PROBLEMS. SEE NEWSGROUP FOR MORE DETAILS.

SPECIAL INSTRUCTIONS: VERIFY THAT RDASRV 1.3 OR GREATER IS INSTALLED, THEN INSTALL THIS PATCH.

SM.P1(5.6.0.8.01:03/03/97)

SOLARIS ONLY (45073, 48830, 17)

TARGET WORKSTATION:JOPES DATA BASE SERVER

NEW FEATURES: THIS RELEASE CORRECTS PROBLEMS WITH: SYSTEM SERVICE MERGE MERGING TRANSACTIONS INTO JOPES CORE DATABASE THAT ARE BEING REJECTED BY TP AT THE OTHER SITES ON DISTRIBUTION; FAILING A TRANSACTION DUE TO MINOR ERRORS; PROBLEMS WITH TDS APPLICATIONS RECONNECTIONS WHEN ORACLE GOES DOWN; PROBLEMS WITH CERTAIN FIELDS. SEE THE SEGMENT RELEASE BULLETIN FOR DETAILS ON NEW FEATURES.SPECIAL INSTRUCTIONS:VERIFY THAT S&M GRAPHIC 5.6.0.0.02 IS INSTALLED,THEN INSTALL THIS PATCH.

SM.P2(5.6.0.9:03/11/97)

SOLARIS ONLY (14, 7420, 14)

TARGET WORKSTATION:JOPES DATA BASE SERVER

NEW FEATURES: FOR LARGE TEXT FIELDS, CHANGE THE POUND SIGN LOGIC SO THAT A # IN THE FIRST CHARACTER OF THE FIRST "FIELD" OF THE TEST MEANS DELETE THE WHOLE TEXT FIELD, AND A # IN THE FIRST CHARACTER OF A LINE OF TEXT WITHIN THE FIELD DOES NOT MEAN DELETE.SPECIAL INSTRUCTIONS:VERIFY THAT SM.P1 5.6.0.8.01 IS INSTALLED,THEN INSTALL THIS PATCH.

SMCHAR.P1(5.6.0.8.01:03/06/97)

SOLARIS ONLY (45726, 44650, 20)

TARGET WORKSTATION: JOPES DATABASE AND APPLICATION SERVERS

FIXES: SYSTEM SERVICE MERGE IS MERGING TRANSACTIONS INTO JOPES CORE DATABASE THAT ARE BEING REJECTED BY TP AT THE OTHER SITES ON DISTRIBUTION. WHEN ORACLE GOES DOWN, THE TDS APPLICATIONS TRY TO RECONNECT ORACLE WITHOUT PERFORMING A DISCONNECT FIRST.

SPECIAL INSTRUCTIONS: VERIFY THAT S&M CHARACTER 5.6.0.0 IS INSTALLED, THEN LOAD THIS PATCH.

SMCHAR.P2(5.6.0.9:03/11/97)

SOLARIS ONLY (14, 7620, 14)

TARGET WORKSTATION: JOPES DATABASE AND APPLICATION SERVERS

FIXES: FOR LARGE TEXT FIELDS, CHANGE THE POUND SIGN LOGIC SO THAT A # IN THE FIRST CHARACTER OF THE FIRST "FIELD" OF THE TEXT MEANS DELETE THE WHOLE TEXT FIELD, AND A # IN THE FIRST CHARACTER OF A LINE OF TEXT WITHIN THE FIELDS DOES NOT MEAN DELETE

SPECIAL INSTRUCTIONS: VERIFY THAT S&M CHARACTER 5.6.0.0 AND SMCHAR.P1 VER 5.6.0.8.01 ARE INSTALLED, THEN LOAD THIS PATCH.

XTP(5.6.0.8:02/14/97)

SOLARIS (9208, 11720, 9208) AND HP (7790, 66410, 7985)

TARGET WORKSTATION: APPLICATION SERVER, JOPES CLIENTS, AND JOPES DB SERVER

FIXES: SYSTEM SERVICE MERGE IS MERGING TRANSACTIONS INTO JOPES CORE DATABASE THAT ARE BEING REJECTED BY TP AT THE OTHER SITES ON DISTRIBUTION. WHEN ORACLE GOES DOWN, THE TDS APPLICATIONS TRY TO RECONNECT ORACLE WITHOUT PERFORMING A DISCONNECT FIRST.

SPECIAL INSTRUCTIONS: DEINSTALL ANY PREVIOUS EXTERNAL TRANSACTION PROCESSOR (XTP) SEGMENT BEFORE INSTALLING THIS NEW UPDATE.

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THE FOLLOWING ARE VERSION 2.2.1 NON-DATABASE SYNC SEGMENTS.

SIGNIFICANT NON-DATABASE SEGMENTS - THESE SEGMENTS ARE NOT REQUIRED FOR CORRECTIONS TO THE DATABASE SYNC PROBLEMS, BUT ARE AVAILABLE FOR LOADING TO CORRECT OTHER SYSTEM OR APPLICATION PROBLEMS. A MACHINE MUST BE AT GCCS 2.2 LEVEL BEFORE INSTALLING THESE SEGMENTS.

KERNEL_PATCH.3(1.5:03/18/97)

SOLARIS ONLY (999, 10, 24)

TARGET WORKSTATION: ALL WORKSTATIONS

FIXES: THE "XHOST +" IS REMOVED FROM THE /H/ACCTGRPS/GCCS/SCRIPT/.XSESSION.GCCS. THE SAINSTALLER FROM CORE DUMPING WHEN A SEGMENT IS STALE NFS MOUNTED.

SPECIAL INSTRUCTIONS: THIS SEGMENT SUPERSEDES BOTH GCCS KERNEL PATCH 1 AND GCCS KERNEL PATCH 2. THIS SEGMENT SHOULD BE INSTALLED AFTER THE GCCS KERNEL 2.2 UPGRADE/ INSTALL HAS BEEN PERFORMED. AFTER INSTALLATION THE SYSTEM MUST BE REBOOTED. YOU DO NOT NEED TO DEINSTALL THE PREVIOUS PATCHES IF INSTALLED.

ORACLE RDBMS PATCH 3 (3.0.0:01/13/96) (RDBMS.P3)

SOLARIS ONLY (17,17,17)

TARGET WORKSTATION: JOPES DATABASE SERVER

FIXES: IT MODIFIES SEVERAL INITIALIZATION PARAMETERS THAT WERE RECENTLY DISCOVERED TO CAUSE PERFORMANCE IMPACTS. IT CORRECTS THE PROBLEM OF THE DATABASE WRITER RUNNING AWAY WITH THE SYSTEM RESOURCES.

SPECIAL INSTRUCTIONS: THIS SEGMENT CAN BE LOADED ON TOP OF RDBMS PATCH 2 (RDBMS.P2) OR IN PLACE OF IT. VERIFY THAT ORACLE RDBMS SOLARIS 7.1.4 IS INSTALLED, THEN LOAD THIS PATCH.

UB_SUPPRESS(1.0.01:02/25/97)

SOLARIS (28, 9770, 35) AND HP (28, 9770, 35)

TARGET WORKSTATION: ANY WORKSTATION WHERE UB IS NOT OPERATIONAL

NEW FEATURES: THE SEGMENT SUPPRESSES UB CORE BACKGROUND PROCESS LAUNCH ON WORKSTATIONS THAT DO NOT RUN UB. SPECIFICALLY, IT CAUSES UB CORE PROCESSES (E.G., TDBM) NOT TO BE LAUNCHED IN THE BACKGROUND AT EACH WORKSTATION BOOT TIME IF THE CRITICAL UB SEGMENTS (NEITHER UBAPPS NOR JMTK) ARE NOT LOADED.

UBPATCH3(3.0.1.6GP3:01/27/97) (GCCS V2.2.1)

SOLARIS (6107, 9770, 11817) AND HP (6107, 9770, 11817)

TARGET WORKSTATION: WHERE JMCIS SERVER AND JMCIS CLIENT ARE LOADED

NEW FEATURES: THE UBPATCH 3 INCLUDES A ROLL-UP OF ALL PREVIOUS 3.0.1.6G PATCHES. IT UPGRADES THE FUNCTIONALITY OF A GCCS 2.2 MACHINE WITH UB FULLY LOADED. THE UPDATED PROGRAMS AND DATA SPAN THE CONTENTS OF THE VARIOUS UB SEGMENTS (GCCS COE, JMTK, UBAPPS, JMCISAPPS, AND PRINTER. SEE THE SEGMENT RELEASE BULLETIN FOR DETAILS OF NEW FEATURES.

SPECIAL INSTRUCTIONS: VERIFY THAT UB APPS 3.0.1.6.02 IS INSTALLED, THEN INSTALL THIS PATCH.

TIBS(2.1.4.04:03/11/97)

SOLARIS (4246, 5860, 4246) AND HP (4246, 5860, 4246)

TARGET WORKSTATION: TDBM MASTER MACHINE

NEW FEATURES: THE TACTICAL INFORMATION BROADCAST (TIBS) SEGMENT ALLOWS FOR THE PARSING OF THE TACTICAL INFORMATION BROADCAST (TIBS) BY COP MACHINES. WHEN COUPLED WITH ITS CLASSIFIED COUNTERPART, IT ALLOWS FOR THE RECEPTION OF AMPLIFYING TRACK DATA THAT IS TRANSMITTED ON THE TIBS. THIS SEGMENT CORRECTS THE REQUIRES FILE. THE REQUIRES FILE NOW INCLUDES JMCISAPPS WHICH IS REQUIRED IN ORDER TO ENSURE THAT FULL UB CAPABILITY EXISTS ON THE MACHINE ONTO WHICH SEGMENT IS INSTALLED. SEE THE SEGMENT RELEASE BULLETIN FOR DETAILS ON OTHER NEW FEATURES.

SPECIAL INSTRUCTIONS: READ ALL DOCUMENTATION BEFORE LOADING THIS SEGMENT. DO NOT LOAD THIS SEGMENT ONTO NON-COP/UB MACHINES. ALSO, THE TIBS ENCODERS AND DECODERS ARE CLASSIFIED AND ARE SUPPLIED BY THE TIBS SECRET SEGMENT; FULL TIBS RECEIVE CAPABILITY WILL NOT BE ATTAINED UNLESS THE TIBS SECRET SEGMENT IS LOADED.

TSEW(1.0.0.0.01:02/13/97)

SOLARIS ONLY (1652, 14650, 1652)

TARGET WORKSTATION: TDBM MASTER MACHINE OF US ALLIED.

NEW FEATURES: THIS SEGMENT PROVIDES BALLISTIC MISSILE LAUNCH ALERT, LAUNCH POINT PLOTTING, AND PROJECTED POINT OF IMPACT PLOTTING FOR US ALLIES. THE REQUIRES FILE NOW INCLUDES JMCISAPPS WHICH IS REQUIRED IN ORDER TO ENSURE THAT FULL UB CAPABILITY EXISTS ON THE MACHINE ONTO WHICH THIS SEGMENT IS INSTALLED.

SPECIAL INSTRUCTIONS: THIS SEGMENT REQUIRES FULL UP UB/COP FUNCTIONALITY BE PRESENT ON THE MACHINE ON WHICH IT IS LOADED. DO NOT LOAD THIS SEGMENT ONTO NON-COP/UB MACHINES. CERTAIN DATA FEEDS (TRE) ARE REQUIRED IN ORDER FOR ALERT TO OCCUR.

SYSTEM_BACKUP(2.2:03/06/97)

SOLARIS ONLY (422, 410, 415)

TARGET WORKSTATION: ALL WORKSTATIONS

NEW FEATURES: SYSTEM_BACKUP ARCHIVES IMPORTANT SYSTEM AREAS TO A BACKUP DIRECTORY AND ALSO LETS THE ADMINISTRATOR SELECT A MACHINE WITH A TAPE DRIVE FOR TAPE BACKUPS. THIS SEGMENT CORRECTS A SCRIPT WHICH WAS NOT IDENTIFYING SPARCSTORAGE ARRAYS ON SOLARIS 2.3 SYSTEMS, ENSURES THE "EXPLORER" SCRIPT EXITS AT COMPLETION, AND CORRECTS OTHER PROBLEMS WITH USING SYSTEM_BACKUP WITH NIS+.

SPECIAL INSTRUCTIONS: DEINSTALL ALL PREVIOUS VERSIONS OF THIS SEGMENT.

WEBBR(3.0.02:04/02/97)

SOLARIS ONLY (7028, 7012, 7028)

TARGET WORKSTATION: APPLICATION SERVER

FIXES: CORRECTED PROBLEMS WITH FONTS IN PREVIOUS RELEASE..

SPECIAL INSTRUCTIONS: DEINSTALL ALL PREVIOUS VERSIONS OF THIS SEGMENT.

CCAPPS (3.1.2.01:02/26/97)

HP ONLY (36070, 109380, 37208)

TARGET WORKSTATION: ALL WORKSTATIONS REQUIRING CCAPPS

NEW FEATURES: INCORPORATES THE LATEST PATCHES, (SEE RELEASENOTES), A NEW PLA TABLE, AND IS CONSIDERED A ROLL-UP AF ALL PRIOR CCAPPS PATCHES. IT ALSO NOW SUPPORTS THE CAVALIER CBT AND SAT TERMINALS AND PROVIDES DD173 MESSAGE FORMAT VALIDATION.

SPECIAL INSTRUCTIONS: DEINSTALL ALL PREVIOUS VERSIONS OF THIS SEGMENT.

HPOSPTC (3.0:02/18/97)

HP ONLY (2070, 8910, 2211)

TARGET WORKSTATION: ALL WORKSTATIONS

NEW FEATURES: THE HP OS PATCH 3.0 CORRECTS PROBLEMS IN THE HP OPERATING SYSTEM FOR THE GLOBAL COMMAND AND CONTROL SYSTEM (GCCS), VERSION 2.2. THIS RELEASE INCLUDES SEVEN NEW FEATURES. SEE THE NEWSGROUPS FOR DETAILS.

SPECIAL INSTRUCTIONS: THIS SEGMENT WILL MAKE MODIFICATIONS TO UB IF GCCS COE HAS ALREADY BEEN LOADED. IF, THEREFORE, A SYSTEM IS BEING CLEAN-LOADED, IT MAY BE DESIRABLE TO LOAD THIS PATCH AFTER THE GCCS COE; THIS IS PERFECTLY ACCEPTABLE. ALL FUTURE HP OS PATCH SEGMENTS (E.G. HP OS PATCH 4.0 WILL BE ROLL-UPS OF ALL PREVIOUS HP OS PATCH SEGMENTS, AND THE DEINSTALL/REINSTALL WILL HAPPEN AUTOMATICALLY WHEN THE NEW HP OS PATCH IS INSTALLED.

AIRFDB.P1(1.0.1.01:03/05/97)

SOLARIS ONLY (39, 40, 39)

TARGET WORKSTATION: DATABASE SERVER

NEW FEATURES: THIS VERSION ADDS AN ICON FOR THE SYSADMIN USER TO USE TO UPDATE THE DATABASE INSTEAD OF REAPPLYING THE PATCH EACH TIME NEW DATA IS RECEIVED.

SPECIAL INSTRUCTIONS: THIS SEGMENT SHOULD ONLY BE INSTALLED AT SITES THAT UTILIZE PREVIOUS VERSIONS. VERIFY THAT AIR FIELD DB SERVER 2.0 IS INSTALLED, THEN INSTALL THIS PATCH.

GRIS(2.3.2.02:02/07/97)

SOLARIS ONLY (36523, 35160, 36576)

TARGET WORKSTATION: APPLICATION SERVER AND CLIENT

FIXES: THIS SEGMENT CONTAINS 17 DIFFERENT FIXES. SEE NEWSGROUP FOR MORE DETAILS.

SPECIAL INSTRUCTIONS: THIS SEGMENT SHOULD ONLY BE INSTALLED AT SITES THAT UTILIZE PREVIOUS VERSIONS. IF YOU ARE A GRIS SITE: CONTACT THE GRIS USER BEFORE INSTALLING THE SEGMENT. ONLY INSTALL GRIS WHERE IT IS NEEDED. DO NOT INSTALL GRIS ON EVERY CLIENT. TYPICALLY, THERE WILL ONLY BE ONE USER.

SPECIAL INSTRUCTIONS: DEINSTALL ANY PREVIOUS VERSIONS AND READ THE RELEASE BULLETINS FOR MORE DETAILS.

GUPD(3.0:11/18/96)

SOLARIS ONLY (72191, 73240, 73240)

TARGET WORKSTATION: ALL WORKSTATIONS

FIXES: THIS SEGMENT CONTAINS 23 DIFFERENT FIXES. SEE NEWSGROUP FOR MORE DETAILS.

SPECIAL INSTRUCTIONS: DEINSTALL ALL PREVIOUS VERSIONS OF THIS SEGMENT.

GORA(3.0.1:02/13/97)

SOLARIS ONLY (719, 751950, 719)

TARGET WORKSTATION: GSORTS ORACLE SERVER PLATFORM

FIXES: NEW LOOKUP/REFERENCE TABLES WERE CREATED FOR ARMY UNIQUE. THE NEW_ORACLE_USER SCRIPT WAS CHANGED TO WORK WITH THE GSORTS USER ROLE.

SPECIAL INSTRUCTIONS: DEINSTALL ALL PREVIOUS VERSIONS OF THIS SEGMENT.

GSORTS.P1(2.1:11/18/96)

SOLARIS ONLY (13302, 73240, 39822)

TARGET WORKSTATION: GSORTS APPLICATION SERVER PLATFORM

FIXES: THIS SEGMENT CONTAINS 13 DIFFERENT FIXES. SEE NEWSGROUP FOR MORE DETAILS.

SPECIAL INSTRUCTIONS: THIS SEGMENT SHOULD ONLY BE INSTALLED AT SITES THAT UTILIZE PREVIOUS VERSIONS. THE ORADBA ACCOUNT MUST BE SET TO DISABLE THE REQUIREMENT FOR AN INTERNAL PASSWORD. THE DEINSTALLATION OF GORA V2.0.03 SEGMENT WILL ALSO DEINSTALL THE GUPD V2.0 SEGMENT. THE GORA V3.0 SEGMENT MUST BE INSTALLED BEFORE INSTALLING GUPD V3.0 SEGMENT. DURING DEINSTALL DO NOT DELETE THE ACCOUNTS GSORTS OR GSRTSUPD. DO NOT DEINSTALL THE GSORTS V2.0 SEGMENT.

KNOWN PROBLEMS: THERE IS A PROBLEM WITH LOADING SOME CD RASTER MAPS IN GSORTS VERSION 3.0. GSORTS V3.0 AND SOLARIS 2.3 DON'T HANDLE SOME OF THE LOADS OF CD MAPS CORRECTLY. THIS PROBLEM WILL BE CORRECTED WHEN SOLARIS 2.4 IS RELEASED. THE FOLLOWING WILL BE HELPFUL IN DETERMINING WHETHER GSORTS CAN LOAD THE MAP CD. SEE NEWSGROUP FOR MORE DETAILS ON WORK-AROUNDS.

THE GCCS MANAGEMENT CENTER (GMC) WILL MONITOR VERSION 2.2.1 INSTALLATIONS. SITES WILL NOTIFY THEM VIA E-MAIL OR TELEPHONE PRIOR TO STARTING THE INSTALLATION AND WHEN THE INSTALLATION IS COMPLETE. SITES WILL ALSO REPORT ANY PROBLEMS ENCOUNTERED WITH THE INSTALLATION SO THE GMC CAN PASS THAT INFORMATION ON TO OTHER SITES THAT COULD EXPERIENCE THE SAME PROBLEMS. NO SITE WILL INITIATE THE INSTALLATION WITHOUT CONTACTING THE GMC. THE GMC CAN

BE CONTACTED AT DJ9HELP1@NMCC20A.NMCC.SMIL.MIL, GCCSHELP@NCR.DISA.MIL, DSN 312/225-0671, OR COM 703/695-3948.